

**CRYSTAL STRUCTURES OF P- SELECTIN,  
P- AND E-SELECTIN COMPLEXES, AND USES THEREOF**

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Abstract of the Invention

The present invention relates to the crystal and three dimensional structures of the lectin and EGF-like (LE) domains of P-selectin, the crystal and three dimensional structures of P-selectin LE and E-selectin LE each complexed with SLe<sup>x</sup>, as well as the crystal and three dimensional structure of P-selectin LE  
10 complexed with a functional PSGL-1 peptide modified by both tyrosine sulfation and SLe<sup>x</sup>. The present invention also provides methods for identifying agents which activate or inhibitor each of the foregoing structures. In addition, the present invention provides agents identified by such methods.